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DT39 Rec'd PCT/PTO 18 JAN 2005

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: ROPELE 1 PCT

PCT NO.: PCT/EP2003/008253

PCT FILED: July 25, 2003

PRIORITY: A 145/2002

FILED: July 26, 2002,

TITLE: MEASUREMENT OF THE MACROMOLECULAR PROTON DENSITY
INVOLVED IN MAGNETIZATION TRANSFER BY MEANS OF
MAGNETIC RESONANCE

INFORMATION DISCLOSURE STATEMENT

MAIL STOP PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicant is enclosing Form PTO-1449 disclosing 14 references cited in the present application and/or the Austrian Priority Application and/or the International Search Report (copy enclosed).

Since it is believed that copies of the references in the International Search Report were submitted by the International Office, no copies are enclosed.

US Patent No. 5,050,609 is discussed in the present Specification on page 1, in the 3rd paragraph.

The following articles were discussed in the present Specification:

Magnetic Resonance in Medicine, "Magnetization Transfer Contrast (MTC) and Tissue Water Proton Relaxation in Vivo" (Vol. 10, P. 135-44 (1989) S. D. Wolff and R. S. Balaban is discussed on page 1, 3rd paragraph;

Magnetic Resonance Quarterly "Magnetization Transfer Contrast in Magnetic Resonance Imaging" (Vol. 8, P. 116-37 (1992) is discussed page 1, 3rd paragraph;

Magnetic Resonance in Medicine "Quantitative Interpretation of Magnetization Transfer"; (Vol. 29, P. 759-766 (1993) Henkelman R. M. et al. is discussed on page 2, 1st full paragraph;

Magnetic Resonance in Medicine (Vol. 41, P. 1065-1072 (1999); "Quantitative Imaging of Magnetization Transfer Using Multiple Selective Pulses"; D. F. Gochberg et al. is discussed on page 2, 2nd full paragraph;

Magnetic Resonance in Medicine (Vol. 46, P. 923-931 (2001) "Quantitative Imaging of Magnetization Transfer Exchange and Relaxation Properties In Vivo Using MRI"; John Sled et al. is discussed on page 2, 3rd full paragraph;

Magnetic Resonance in Medicine (Vol. 47, P. 929-939
(2002) "Pulsed Z-Spectroscopic Imaging of Cross-Relaxation
Parameters in Tissues for Human MRI: Theory and Clinical
Applications"; Vasily Yarnykh is discussed on page 2, 3rd full
paragraph;

Journal of Magnetic Resonance, Vol. 31, P. 207-229 (1978) is
discussed on page 8, lines 1-2 (to follow);

Magnetic Resonance in Medicine 35:277 (1996) is discussed on
page 8, 1st full paragraph (to follow);

Magnetic Resonance in Medicine, Vol. 33, P. 476-482 (1995) is
discussed on page 8, 1st full paragraph (to follow).

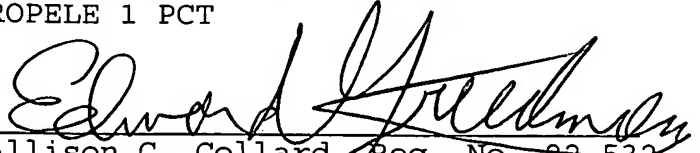
Since the instant IDS is being filed concurrently with the
application, no official fee is required in connection with the
same. However, if it is determined that a fee is due, the
Commissioner is hereby authorized to charge, or to credit any over
payment, to our Deposit Account Number 03-2468.

It is respectfully requested that the foregoing Information
Disclosure Statement (IDS) be incorporated into the official file

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of the concurrently-filed application.

Respectfully submitted,
ROPELE 1 PCT



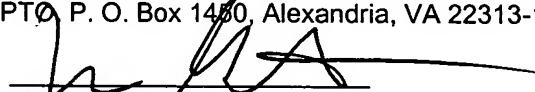
COLLARD & ROE, P.C.
1077 Northern Boulevard
Roslyn, New York 11576
(516) 365-9802

Allison C. Collard, Reg. No. 22,532
Frederick J. Dorchak Reg. No. 29,298
Edward R. Freedman, Reg. No. 26,048
Elizabeth C. Richter Reg.No. 35,103
William C. Collard Reg. No. 38,411
Attorneys for The Applicants

Enclosures: PTO-1449 form, International Search Report, 6 refs.

EXPRESS MAIL NO. EV 590258770
Date of Deposit January 18, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above, and is addressed to Mail Stop PCT, Commissioner for Patents, U.S. PTO, P. O. Box 1450, Alexandria, VA 22313-1450.


Maria Guastella

FORM PTO-1449 (Modified) (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: ROPELE 1 PCT		SERIAL NO.: 107521512	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT: Stefan ROPELE			
				FILING DATE:		GROUP:	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	5,050,609	9/1991	BALABAN ET AL			
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	AB	WO 01 11380	2/2001	INTERNATIONAL (Intl. Srch. Rep.)			
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
✓	AC	Hu B. et al: "Pulsed Magnetization Transfer Contrast" Book of Abstracts, Society of Magnetic Resonance in Medicine, Ninth Annual Scientific Meeting and Exhibition, August 8-24, 1990, NY USA., Vol. 1, Page 352, XP 000400685, Conference Abstract (Intl. Srch. Rep.)					
✓	AD	Journal of Magnetic Resonance, "Estimation of magnetization transfer rates from PACE experiments with pulsed RF saturation" Vol.12, no. 5, 2000 pgs. 749-756, XP 002258508 Ropele S. et al (Intl. Srch. Rep.)					
✓	AE	Journal of Magnetic Resonance, Vol. 31, P. 207-229 (1978) page 8, lines 1-2 TO FOLLOW					
✓	AF	Magnetic Resonance in Medicine (Vol. 41, P. 1065-1072 (1999); "Quantitative Imaging of Magnetization Transfer Using Multiple Selective Pulses"; D. F. Gochberg et al. (enclosed) ✓					
✓	AG	Magnetic Resonance in Medicine (Vol. 46, P. 923-931 (2001) "Quantitative Imaging of Magnetization Transfer Exchange and Relaxation Properties In Vivo Using MRI"; John Sled et al. (enclosed) °					
✓	AH	Magnetic Resonance in Medicine (Vol. 47, P. 929-939 (2002) "Pulsed Z-Spectroscopic Imaging of Cross-Relaxation Parameters in Tissues for Human MRI: Theory and Clinical Applications"; Vasily Yarnykh (enclosed) °					
✓	AI	Magnetic Resonance in Medicine "Quantitative Interpretation of Magnetization Transfer"; (Vol. 29, P. 759-766 (1993) Henkelman R. M. et al. (enclosed) °					
✓	AJ	Magnetic Resonance in Medicine, Vol. 33, P. 476-482 (1995) TO FOLLOW					
✓	AK	Magnetic Resonance in Medicine 35:277 (1996) page 8, 1 st full paragraph TO FOLLOW					
✓	AL	Magnetic Resonance Quarterly "Magnetization Transfer Contrast in Magnetic Resonance Imaging" (Vol. 8, P. 116-37 (1992) (enclosed) <i>Balaban - Ceckler</i> °					
✓	AM	Magnetic Resonance in Medicine, "Method for quantitative imaging of the macromolecular H fraction in tissues" Vol. 49, no. 5, May 1, 2003, pgs. 864-87, XPO 02258509, Ropele S et al (Intl. Srch. Rep.)					
✓	AN	Magnetic Resonance in Medicine, "Magnetization Transfer Contrast (MTC) and Tissue Water Proton Relaxation in Vivo" (Vol. 10, P. 135-44 (1989) S. D. Wolff and R. S. Balaban (enclosed) °					
EXAMINER				DATE CONSIDERED			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.